

PROCEEDINGS OF THE SEVENTY-SECOND ANNUAL MEETING

JOHN L. ZIMMERMAN, SECRETARY

The Seventy-second Annual Meeting of the Wilson Ornithological Society was held Wednesday, 15 May to Sunday, 19 May 1991, at the University of Oklahoma, Norman, Oklahoma, in joint session with the Cooper Ornithological Society. The local committee chaired by Dr. Gary D. Schnell was composed of Wendy Anderson, Ruth H. Boyd, Patricia Bergcy, Neil J. Buckley, Janet K. Braun, Victoria J. Byre, Brian R. Chapman, Holly H. Edwards, James R. Fish, Rick Fry, Joseph A. Grzybowski, Melynda Hickman, Daniel J. Hough, William R. Johnson, Timothy C. Lamey, Douglas W. Mock, Pam A. Pogorelc, Darrell W. Pogue, Coleen Cassady St. Clair, Christine E. Skelly, Steven K. Shore, Mark Snively, Peter B. Tirrell, Linda E. Watson, and Marsha K. Womack. The meeting was hosted by the Department of Zoology, Oklahoma Biological Survey, and Oklahoma Museum of Natural History, all of the University of Oklahoma, and the Cleveland County Audubon Society and the Oklahoma Ornithological Society. Other supporters included an anonymous donor, Oklahoma City Zoo, Office of Research Administration and the College of Arts and Sciences of the University of Oklahoma, University of Oklahoma Foundation, University of Oklahoma Press, and University of Texas Press.

The Council met from 13:09 to 21:00 on Wednesday, while registration for the 197 guests and members began in the Forum Building of the Oklahoma Center for Continuing Education. A joint dinner with the Cooper Society Board and the Wilson Society Council was held in the President's Dining Room of the OCCE Commons Restaurant, followed by a "very informal social hour" sponsored by the Cleveland County Audubon Society. The opening session on Thursday convened in the Forum Room of the Oklahoma Center for Continuing Education where the Society was welcomed by Dr. Eddie C. Smith, Vice Provost for Research Administration, Univ. of Oklahoma. President Jared Verner responded for the Cooper Ornithological Society and, President Jon C. Barlow responded for the Wilson Ornithological Society.

The scientific papers sessions, which included contributed papers and symposia on the Interface of Science and Conservation, convened by Mercedes S. Foster and Richard C. Banks, and on Endangered Passerines, convened by Joseph A. Grzybowski, were held in the Forum Building. Poster papers were presented in corridor B of the Forum Building and were highlighted by an informal social Friday evening following an outdoor barbecue on the OCCE grounds for which the Oklahoma Ornithological Society provided additional refreshments. Field trips to local areas were conducted by The Cleveland County Audubon Society on Thursday, Friday, and Saturday mornings. Sunday trips included a trip to the Wichita Mountains National Wildlife Refuge near Lawton and extended opportunities for birding in the Oklahoma City-Norman area. During the meeting, guest tours were provided by the local committee to Myriad Gardens, United Design Corporation and the Rose Rock Museum, and the Oklahoma City Zoo.

The annual banquet was held in the Commons Restaurant of the OCCE Center, preceded by a social hour sponsored by the University of Oklahoma. After the banquet the following awards were presented:

EDWARDS PRIZE (for the best major article in volume 102 of *The Wilson Bulletin*) to

Keith L. Bildstein, William Post, James Johnston, and Peter Frederick. "Freshwater wetlands, rainfall, and the breeding ecology of White Ibises in coastal South Carolina." *Wilson Bulletin* 102:84–98.

LOUIS AGASSIZ FUERTES AWARD

Daniel A. Cristol, "An experimental test of the arrival-time hypothesis of differential migration."

MARGARET MORSE NICE AWARD

James R. McCammon, "Reduction of bird fatalities during nocturnal migration."

PAUL A. STEWART AWARDS

Daniel R. Koslovic, "Host selection in a generalist brood parasite—interaction between the Brown-headed Cowbird and House Finch."

Robert A. Mauk, "Population dynamics and demography—Leach's Storm-Petrel on Kent Island, New Brunswick, Canada 1953–90."

Stuart M. Slattery, "Effect of overgrazing on gosling growth and survival in Ross' and Lesser Snow Geese."

Mark S. Woodrey, "Age-dependent foraging behavior of intercontinental bird migrants during stopover along the northern coast of the Gulf of Mexico."

ROGER TORY PETERSON INSTITUTE TRAVEL AWARD

David S. Pennock, "Seasonal distribution of hatching asynchrony and brood reduction in House Wrens."

ALEXANDER WILSON PRIZE (for best student paper)

Regina Macedo, "Communal breeding behavior in the South American Guira Cuckoo."

SUTTON BIRD ART PRIZE

Rick Fry, "On the Verge."

Selection committee for the Fuertes, Nice, and Stewart Awards—Richard Banks and Richard Stiehl; for the Wilson Prize—Richard Banks, Keith Bildstein, Alfred Dufty, Herb Hendrickson, Judy McIntyre, Pam Rasmussen, and Ernest Willoughby; for the Peterson Travel Award—Jon Barlow, Dick Conner, and Xavier Fazio. Judges for the Sutton Prize—James Dick, John Fitzpatrick, and Robert Storer.

FIRST BUSINESS MEETING

The first business meeting was called to order by President Barlow at 08:38 on Thursday, 16 May in the Forum Room. Secretary Zimmerman summarized the highlights of Wednesday's Council meeting. Next year the Society will meet with the Florida Ornithological Society at the Hilton Inn Gateway West, Kissimmee, Florida from 9–12 April. In 1993 the meeting will be at the University of Guelph, Guelph, Ontario from 29 April to 1 May. The treasurer has reported the Society in excellent shape with income exceeding expenses by about \$27,000. The proposed budget for next year totals \$102,000. The present membership is 2153 and reflects a 4% decrease from the previous year. Charles Blem has been reelected as editor. A new student travel award, funded by the R. T. Peterson Institute, will be implemented this year. The membership committee under chairperson John Smallwood will be actively soliciting members of the other OSNA societies to join the Wilson Society. Chairperson Keith Bildstein of the Conservation committee requested that he be apprised

of names and organizations that should receive reprints of the committee's report on coastal wetlands that will appear in the June 1991 Bulletin. New business of note is the awarding of a membership in the Wilson Society to students giving papers at annual meetings, including the current meeting. Lastly, Zimmerman asked the membership to stand in honor of members who had died since the last annual meeting—William F. Davis (Kingsville, OH), Guy Greenwell (Neosho, MO), Joseph A. Hagar (Marshfield Hills, MA), Frederic N. Hamerstrom, Jr. (Plainfield, WI), L. Richard Mcwaldt (San Jose, CA), Oscar T. Owre (Coral Gables, FL), James T. Tanner (Knoxville, TN), Milton B. Trautman (Columbus, OH), Francis M. Uhler (Bowie, MD).

George A. Hall presented the report of the nominating committee: Richard C. Banks, president; Richard N. Conner, first vice-president; Keith L. Bildstein, second vice-president; Doris J. Watt, treasurer; John L. Zimmerman, secretary; G. Thomas Bancroft for a one-year term as councilor, Robert D. Burns and D. Scott Wood for three-year terms as councilors.

Robert D. Burns gave the treasurer's report.

REPORT OF THE TREASURER 1 JANUARY 1990 TO 31 DECEMBER 1990

GENERAL FUNDS

RECEIPTS

Regular and Sustaining Memberships for 1990	\$ 15,265.00	
For 1991	19,223.52	
Student Memberships for 1990	1,879.00	
For 1991	2,117.50	
Family Memberships for 1990	200.00	
For 1991	<u>350.00</u>	
TOTAL DUES		\$ 39,035.02
Subscriptions to <i>The Wilson Bulletin</i>		
For 1990	\$ 19,485.25	
For 1991	<u>2,727.27</u>	
TOTAL SUBSCRIPTIONS		\$ 22,212.52
Back Issues of <i>The Wilson Bulletin</i>	\$ 895.70	
Interest and Dividends	\$ 31,724.72	
Royalties	\$ 2,326.72	
Contributions from Authors	\$ 12,720.00	
Contributions to The Van Tyne Library	\$ 191.00	
Contributions to the Student Membership Endowment	\$ 527.00	
Contributions to General Endowment (Life Members and Patrons) ...	\$ 1,866.00	
Contributions to the Edwards Prize	\$ 0.00	
Contributions to the Wilson Prize	\$ 282.00	
Contributions to the General Endowment	\$ 213.00	
Refund from the 1989 Annual Meeting	<u>\$ 1,043.56</u>	
TOTAL RECEIPTS		\$113,037.24

DISBURSEMENTS: 1990

The Wilson Bulletin

December 1989	\$ 15,974.61
March 1990	17,221.30
June 1990	15,103.22

September 1990	19,381.56	
Total Printing and Mailing	67,680.69	
Editor's Expenses	<u>3,815.82</u>	
TOTAL PRODUCTION COSTS		\$ 71,496.51
OSNA Expenses*		\$ 8,573.75
Student Awards		\$ 2,600.00
Treasurer's Expenses		\$ 192.00
Treasurer's Bond		\$ 100.00
Mailings, Student Membership Award Notices		\$ 421.99
AAZN Dues		\$ 0.00
ICBP Dues		\$ 200.00
Subscriptions and OSNA Refunds		\$ 0.00
Printing and Mailing of Back Issues		\$ 477.35
Incorporation Fee		\$ 5.00
Deposit to Endowment		\$ 0.00
Meeting Expenses		\$ 1,042.40
Van Tyne Library		<u>\$ 500.00</u>
TOTAL DISBURSEMENTS		\$ 85,609.00
Note: *Newsletter about \$3,000.00		
BALANCE—Income Less Disbursements		\$ 27,428.24

CASH ACCOUNTS

Peoples Bank, Gambier, Ohio 43022 31 December 1990		
Checking Account	\$ 27,721.11	
Dreyfus Liquid Assets	<u>67,122.35</u>	
TOTAL CASH ON HAND		\$ 94,843.46

DESIGNATED ACCOUNTS

LOUIS AGASSIZ FUERTES AND MARGARET M. NICE AWARDS

Endowment Principal		\$ 10,000.00
1990 Earnings	\$ 700.00	
1989 Balance	\$ 500.00	
Award Funds Available	\$ 1,200.00	
Funds Disbursed for Awards	\$ 700.00	
1990 Cash Balance	\$ 500.00	

ALEXANDER WILSON AWARD

Endowment Principal		\$ 2,678.41
1990 Earnings	\$ 187.49	
1989 Balance	\$ (99.10)	
Funds Available	\$ 88.39	
Funds Disbursed for Awards	\$ 100.00	
1990 Cash Balance	\$ (11.61)	

PAUL A. STEWART AWARDS

Endowment Principal		\$ 22,649.90
1989 Earnings	\$ 1,585.49	
Funds Disbursed for Awards	\$ 1,400.00	
1990 Balance	\$ 185.49	

GEORGE SUTTON COLOR PLATE FUND

Endowment Principal	\$ 50,000.00
Funds Available Previous Year	\$ 4,445.86
1990 Earnings	\$ 3,500.00
Funds Disbursed for Color Plates	\$ 0.00
1990 Cash Balance	\$ 7,945.86

ERNEST P. EDWARDS PRIZE

Endowment Principal	\$ 2,456.61
Funds Available	\$ 0.00
Funds Disbursed for Awards	\$ 400.00
1990 Cash Balance	\$ 0.00
1990 Earnings	\$ 160.71

GENERAL ENDOWMENT FUNDS

Endowment Principle 1989	\$158,222.32
1990 Balance of General Endowment Principle	\$162,715.08*

*Based upon \$250,500.00 invested at the Mellon Bank

TOTAL ENDOWMENT FUNDS

1989 Amount Invested (Carrying Value)	\$250,585.00
Market Value	\$386,992.00
1989 Deposited to Endowment	\$ 0.00
Endowment Principle as of 3-31-91	\$250,720.00
Market Value as of 12-31-90	\$372,063.00

ANNUAL MEETING RESERVE FUNDS

1990 Cash Balance	\$ 3,745.76
1990 Meeting Expenses	\$1,042.40
1989 Refund Saint Mary's Meeting	\$1,043.56
Balance of Centennial Meeting Funds to be Transferred to Student Endowment	\$ 3,745.76
1990 Balance of Meeting Fund	\$ 1.16

Robert D. Burns, TREASURER

EDITOR'S REPORT—1990

In 1990, 146 manuscripts (44 major papers, 109 short communications) were submitted to *The Wilson Bulletin* office. This is 25 fewer than in 1989. Of these, 53% were accepted, 42% were rejected, and 5% remain under review. Our acceptance rate over the past several years has been approximately 59% for major papers and 45% for short communications. It is difficult to give exact figures for acceptance rates. Major papers often are converted to short communications before they are published and occasionally the reverse is true. Papers sometimes are withdrawn before final acceptance (or rejection) has been given. Some authors simply never return revisions of accepted papers. We currently are able to give "same day" acknowledgment of receipt of new manuscripts and generally acknowledge revisions within 2–3 days. On the average, we were able to make final decisions about the status of papers

received in 1990 within 60 days. Occasionally, final decision required longer. In all instances this was because of the length of time that referees required to review the manuscript.

I remain grateful to my Editorial Board—Kathy G. Beal, R. N. Conner, C. H. Stinson, and J. R. Walters. They are a constant source of good advice and thoughtful review. George A. Hall continues to edit reviews in a timely, efficient manner. Assistant Editors Leann Blem, Albert E. Conway, and Anne Wenner catch many of the errors that tend to creep into manuscripts. Leann and Robert Blem provide much of the manual labor in running the editorial office. I especially appreciate Kathy G. Beal's efforts in preparing the index for each volume.

We continue to do our best to give rapid response time, quality attention, and personal consideration to each of our potential authors. We appreciate any comments about how to improve the process and encourage ornithologists to call us if they have any questions about how we would handle their work. I enjoy the duties of Editor of *The Wilson Bulletin* and thank the membership for the positive response they have given our performance.

C. R. Blem, *Editor*

The meeting was temporarily adjourned at 08:55 until the second session.

SECOND BUSINESS MEETING

President Barlow opened the second business meeting at 13:30, Saturday, 18 May in the Forum Room. The report of the Auditing Committee was received.

We, the undersigned, have audited the books of the Treasurer, Robert D. Burns, including the ledgers, bank statements and money market statements, and find them in agreement with the Treasurer's report as presented.

We also wish, at this time, to highly commend Dr. Burns for his many years of dedicated service to the Wilson Ornithological Society as Treasurer and thank him on behalf of the Society for his able services.

Doris Watt
Phillips B. Street

It was moved by Dick Banks and seconded by Keith Bildstein to accept this report, and the motion passed.

President Barlow recalled the report of the nominating committee to the floor of the assembly. Additional nominations from the floor were requested, but none were offered. Ken Parkes moved and Phil Street seconded that the nominations be closed and that a unanimous ballot be cast. The motion passed, and a unanimous ballot was duly recorded by the secretary.

REPORT OF THE RESOLUTIONS COMMITTEE

George Hall presented the report of the resolutions committee.

WHEREAS populations of many species of neotropical migrant birds are declining, and
WHEREAS the population status of many other neotropical migrant birds is unknown,
and

WHEREAS habitat loss and habitat fragmentation caused by humans in both temperate and tropical environments are major factors in these declines, and

WHEREAS neotropical migrant birds are reflections of the health and condition of both temperate and tropical forests, and

WHEREAS effects of environmental changes on the habitats and populations of migrant birds transcend jurisdictional boundaries, and

WHEREAS there is a pressing need for conservation action and further research on behalf of these birds,

THEREFORE BE IT RESOLVED that the Cooper Ornithological Society and the Wilson Ornithological Society support the coordinated efforts of state and federal agencies, non-governmental organizations, academicians, and international cooperators in the *Neotropical Migratory Bird Conservation Program* to: (1) establish population and habitat monitoring procedures to determine long- and short-term trends, (2) promote conservation efforts for migrant birds across private, public, agency, state, and federal jurisdictional boundaries, (3) promote and coordinate research efforts to provide adequate information for the management of these species, and (4) develop new education, communication, and outreach programs to apprise the public of the status of neotropical migrant birds.

It was moved by George Hall to accept this resolution, seconded by Mary Clench and passed by the membership.

WHEREAS the natural environment of San Clemente Island has been degraded by introductions of feral herbivores and predators, and other anthropogenic factors, and

WHEREAS the habitat of the San Clemente Loggerhead Shrike (*Lanius ludovicianus mearnsi*) and those of other native species have been severely degraded by feral pigs and goats, and

WHEREAS populations of many native vertebrates are vulnerable to predation by common ravens, rats, and feral cats, and

WHEREAS recovery of the shrike population in its natural environment as presently constituted appears unlikely,

THEREFORE BE IT RESOLVED that the Cooper Ornithological Society and the Wilson Ornithological Society urge the United States Fish and Wildlife Service and the California Department of Fish and Game to support fully the captive breeding and habitat restoration efforts recently undertaken by the Department of Defense, United State Navy; the Zoological Society of San Diego; the University of California, Berkeley; the University of California, Riverside; and the Western Foundation of Vertebrate Zoology.

AND FURTHERMORE BE IT RESOLVED the Cooper Ornithological Society and the Wilson Ornithological Society urge the United States Fish and Wildlife Service and the California Department of Fish and Game to initiate a program of habitat restoration with goals of providing suitable conditions for the conservation of all native flora and fauna of the island, and returning the San Clemente Loggerhead Shrike to its native environment as quickly as possible.

It was moved by George Hall and seconded by Clait Braun to accept this resolution and the motion passed.

WHEREAS long-term studies are essential for understanding mechanisms that influence population dynamics of vertebrates, especially long-lived species such as the California Gull (*Larus californicus*), and

WHEREAS the 33-year-old population study of California Gulls at Bamforth Lake, Wyoming, is the second largest active population study of birds in North America,

THEREFORE BE IT RESOLVED that the Cooper Ornithological Society and the Wilson Ornithological Society commend past and continuing support provided by the Wyoming Game and Fish Department in ensuring that this very important population study can and will continue.

It was moved by George Hall and seconded by Elden Martin to accept this resolution, and the membership voted in favor.

WHEREAS the California Gnatcatcher (*Poliioptila californica*) apparently has been eliminated from the California counties of Ventura and San Bernardino, and

WHEREAS the species' once extensive distribution in Los Angeles County has been reduced to a small portion of the Palos Verdes Peninsula, and

WHEREAS the California Gnatcatcher recently has been recognized as taxonomically distinct from the Black-tailed Gnatcatcher (*P. melanura*), and

WHEREAS the species is an obligate, permanent resident of coastal sage scrub, a unique and diverse vegetation type that many consider to be one of the most endangered habitats in the continental United States, and

WHEREAS intense housing development and expansion of transportation corridors in Orange, Riverside, and San Diego counties threaten to eliminate the few remaining large tracts of California Gnatcatcher habitat within the next 20 years, and

WHEREAS the impact of such habitat loss will compound the effects of extensive habitat fragmentation, and

WHEREAS estimates of the numbers of individuals of this species presently occurring in the United States range from 1200 to 2000 pairs, and

WHEREAS conservation and mitigation efforts required by existing regulatory mechanisms have, in general, failed to protect adequately viable populations of the species, and

WHEREAS without full protection under the Federal Endangered Species Act and prompt development of an effective regional recovery plan, there is overwhelming evidence that populations of this species will continue to decline, and that the species will be extirpated from all or most of its range in the United States,

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society and the Cooper Ornithological Society recommend that the United State Fish and Wildlife Service immediately undertake emergency listing of this species under the provisions of the Federal Endangered Species Act, and that the Service establish a recovery plan to ensure the protection of this species and its habitat.

It was moved by George Hall, seconded by Dick Hunter, and passed by the members present to accept this resolution.

WHEREAS the use of large-scale driftnets is an indiscriminate and destructive method of fishing that kills seabirds and other living marine resources in the world's oceans, and

WHEREAS there may be severe adverse impacts of high-sea driftnets on seabirds and other marine resources as preliminary estimates indicate that at least 875,000 seabirds die annually in North Pacific driftnets alone, and

WHEREAS jurisdiction over seabirds under the United States Migratory Bird Act extends only three miles from the coast of the United States, whereas the United States protects marine mammals from driftnets and other threats out to 200 miles,

THEREFORE BE IT RESOLVED that the Wilson Ornithological Society and Cooper Ornithological Society support banning large-scale, high-seas driftnets in the world's oceans as stated in United National Resolution 44-225, United States Public Law 101-627, and the Wellington Convention, and

FURTHERMORE BE IT RESOLVED that the Wilson Ornithological Society and Cooper Ornithological Society urge the United States Congress to amend the Migratory Bird Treaty Act to extend jurisdiction of the United States over migratory birds to 200 miles off of its coasts.

It was moved by George Hall and seconded by Judy McIntyre to accept this resolution. The motion passed.

WHEREAS the Cooper Ornithological Society held its Sixty-first Annual Meeting and the Wilson Ornithological Society held its Seventy-second Annual Meeting jointly in Norman, Oklahoma, on the campus of the University of Oklahoma at the invitation of the Department of Zoology, Oklahoma Biological Survey, and Oklahoma Museum of Natural History (all of the University of Oklahoma), the Cleveland County Audubon Society, and the Oklahoma Ornithological Society, and

Recognizing that the Committee on Local Arrangements, under the outstanding direction

of Gary D. Schnell, provided us with an exceptionally diverse assemblage of exhibits, special events, field trips, and evening social events, and

Recognizing that the Committee on the Scientific Program, under the equally capable direction of Richard N. Conner, arranged outstanding scientific lecture sessions, workshops, and poster sessions, and

WHEREAS all those who have attended this meeting have been enriched by it,

THEREFORE BE IT RESOLVED that the Cooper Ornithological Society and the Wilson Ornithological Society commend the Committee on Local Arrangements and the Committee on the Scientific Program for their efforts towards this memorable meeting, and

THEREFORE BE IT FURTHER RESOLVED that the Cooper Ornithological Society and the Wilson Ornithological Society also thank other supporters of this meeting, namely, the Office of Research Administration (University of Oklahoma), University of Oklahoma Foundation, Oklahoma City Zoo, University of Oklahoma Press, University of Texas Press, Fuhrman Diversified, Inc., and an anonymous donor for their most generous support.

It was moved by George Hall and seconded by Kenneth Parkes to accept this resolution, and it was unanimously accepted.

WHEREAS Robert D. Burns has served the Wilson Ornithological Society long and well as its treasurer, and

WHEREAS the Society has reaped the many benefits of his assiduous reestablishment of its financial integrity and his careful (even canny) husbandry of its assets, a time-consuming and sometimes underappreciated task, and

WHEREAS Bob is now retiring after 12 years of service to the Society and has trained his successor to ensure equally careful handling of its finances in the future,

THEREFORE BE IT RESOLVED that the Officers, Council, and Membership of the Wilson Ornithological Society express their sincere gratitude to Bob Burns for a job well done!

It was moved by George Hall to accept this resolution, seconded by acclamation and passed by a standing ovation.

It was moved by Mary Clench and seconded by Dick Banks that the meeting be adjourned, and it was.

The reports of the standing committees are as follows.

REPORT OF JOSSELYN VAN TYNE MEMORIAL LIBRARY COMMITTEE—1990

The calendar year 1990 was another active and successful one for the library. The facilities in the Univ. Michigan Bird Division have been improved, and continuing adjustments made, all of which help to make our operations more effective. The figures to follow indicate that much has been going on. The real responsibilities for this continue to rest on the always-capable (if overburdened) shoulders of Janet Hinshaw. The chairman owes to her never-ending expression of gratitude; and the whole membership should be kept aware of her services.

That our members continue to consider the library worthy of their support is demonstrated by the total of 493 items, plus funds, donated by 21 members. Received were 263 journal issues, 12 books, 97 monographs and reports, and 121 reprints and pamphlets. Notable contributors were A. J. Berger, P. Baird, W. Bowlen, R. C. Banks, C. Collins, G. A. Hall, J. Hinshaw, S. Houston, S. Holohan, L. J. Harris, F. Hammerstrom, D. Koenig, H. Mayfield, M. K. Nicholl, H. Mueller, R. B. Payne, J. Price, W. J. Richardson, G. Filteau (for La Societe Zoologique de Quebec), P. Stettenheim, and H. Zernickow.

Donations, if not items that can go directly onto our shelves, are nevertheless disposed of profitably. Two books sold in 1990 brought in \$20; within the next few years a number

are expected to be sold from our large stock of duplicates. We also hope for a continuing brisk turnover of separates. Our New Book Fund now receives an additional annual sum of \$500. From this fund, direct purchases were made of 5 books, 6 monographs, 2 dissertations, and 19 journal volumes, for \$512.15. Subscriptions (\$344.20) paid for 9 journal volumes.

Exchanges with 124 other institutions provided us a total of 162 journal titles. Gifts from 38 institutions and individuals added 44 more. By 12 direct subscriptions, were added 16 titles, making a grand total of 222 journals from 174 institutions, organizations, and members.

On the other side of the coin, the Josselyn Van Tyne Memorial Library has continued to supply to the Society membership and others the kind of invaluable services of which it is capable. During 1990, 42 members and libraries borrowed 317 items in 64 transactions. This does not take into account the continuous in-house reference to items on our shelves.

A plea for even more membership support, both in contributions and in personal use, is always in order. Remember too, that numerous publications of all sorts are on sale, at fair prices, from our large stock of duplicates.

William A. Lunk, *Chair*

REPORT OF THE CONSERVATION COMMITTEE

The committee's report, entitled "Approaches to the conservation of coastal wetlands in the Western Hemisphere," will appear as a 38-page paper in the June 1991 issue of *The Western Hemisphere*, will appear as a 38-page paper in the June 1991 issue of *The Wilson Bulletin*. Council has authorized the purchase of 200 reprints of this report, which hemisphere. If you know of anyone who should receive a copy of this report, please let me know.

The committee is currently working with W. M. Block, who chairs the COS Committee of Conservation and Resolutions, on several joint resolutions to be acted upon at the Oklahoma meeting.

If anyone has any conservation issues they feel WOS should explore, please let me know, and I will see what I can do.

Keith L. Bildstein, *Chair*

REPORT OF THE MEMBERSHIP COMMITTEE

The updated membership brochure is now available. A total of 5000 were printed; I'll be happy to send (large numbers of) brochures to WOS members who request them! A supply of brochures has already been sent to a few members and to Allen Press.

I have obtained from Allen Press 2817 mailing labels for all OSNA members who are not members of the WOS. During the next few months the membership committee plans to send a brochure and letter of invitation to join our society to each of these people.

Greg Butcher, AFO membership chair, has begun a campaign aimed at increasing the number of lucrative institutional subscriptions to the four OSNA journals. In the near future, each OSNA member will receive a mailing urging them to visit their institution's procurement librarian in person to stress the importance of new or continued subscription to these journals. The mailings will be the results of Greg's efforts, and will be funded by the four societies.

For the committee (Jim Ingold, Mark Woodrey, Tom Waite, and Ken Meyer),

John A. Smallwood, *Chair*

The Committee on Scientific Program was chaired by Richard Conner and facilitated by the following session moderators: Richard C. Banks, Mary H. Clench, Mercedes S. Foster, Joseph A. Gryzbowski, Jerome A. Jackson, John T. Rotenberry, Stephen M. Russell, James A. Sedgwick, Charles R. Smith, Deborah M. Smith, Kimberly G. Smith, Diana F. Tomback, Doris J. Watt, John L. Zimmerman.

PAPER SESSIONS

- William S. Clark, Alexandria, VA, and Richard C. Banks, U.S. Fish & Wildl. Serv., Natl. Mus. Nat. Hist., Washington, DC. "Taxonomic status of the White-tailed Kite."
- Mary H. Clench, Div. Gastroenterology, Dept. Internal Med., Univ. Texas Medical Branch, Galveston, TX. "The systematic position of MacGregor's Bird-of-Paradise: a pterylographic contribution to the problem."
- William H. Baltosser, Dept. Biol., Univ. Arkansas, Little Rock, AR. "Geographic variation in the Black-chinned Hummingbird (*Archilochus alexandri*)."
- Raymond Pierotti, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR. "Phenotypic plasticity, Lack's paradox, and 'cost-free' reproduction: why means are of little meaning in population biology."
- John M. Bates, Mus. Nat. Sci., & Dept. Zool. & Physiol., Louisiana State Univ., Baton Rouge, LA. "Evolutionary relationships in the tyrannid genus *Leptopogon*, with comments on the evolution of Andean birds."
- Pamela C. Rasmussen and Phillip S. Humphrey, Mus. Nat. Hist., Univ. Kansas, Lawrence, KS. "A postglacial record of the avifauna of the Beagle Channel from Indian middens."
- Robert W. Storer, Mus. Zool., Univ. Michigan, Ann Arbor, MI. "The occurrence and possible significance of ossified tendons in Western and Clark's grebes."
- Brian A. Maurer and S. Grey Heywood, Dept. Zool., Brigham Young Univ., Provo, UT. "Measuring geographic range fragmentation in passerine birds."
- Charles van Riper III, Natl. Park Serv., Coop. Park Stud. Unit, Northern Arizona Univ., Flagstaff, AZ, Susan L. Skiff, Dept. Wildl. & Fish. Biol., Univ. California, Davis, CA, and Jan van Wagendonk, Yosemite Natl. Park, Yosemite Natl. Park, CA. "Integration of a backcountry survey and geographic information system for Great Gray Owls in Yosemite National Park."
- Sally Graves Jackson, Dept. Fish. & Wildl., Utah State Univ., Logan, UT. "Birds in willow stands in and around northern Yellowstone National Park: how do native ungulates affect these assemblages?"
- Jeffrey David Parrish and Thomas W. Sherry, Dept. Ecol., Evol. & Organismal Biol., Tulane Univ., New Orleans, LA. "Sexual habitat segregation in American Redstarts wintering in Jamaica."
- Martin L. Morton, Occidental Coll., Los Angeles, CA. "Postfledging dispersal of Green-tailed Towhees to a subalpine meadow."
- K. C. Jensen, Dept. Wildl. & Fish. Sci., Texas A&M Univ., College Station, TX. "Habitat selection by molting Pacific Black Brant in Alaska."
- Holly Edwards, Dept. Zool., Univ. Oklahoma, Norman, OK. "Natural remanent magnetization in birds."
- Laura L. Erickson and Kim R. Eckert, Duluth, MN. "Daytime warbler migration in fall along Lake Superior's north shore."
- Michael F. Carter, Colorado Bird Observatory, Brighton, CO. "Regional population trend data sets—an example from Colorado."
- Kenneth L. Petersen, Dept. Biol., Monmouth Coll., Monmouth, IL, and Louis B. Best, Dept. Animal Ecol., Iowa State Univ., Ames, IA. "Mapping bird territories using the flush technique: the potential for bias and misinterpretation."

- R. Kannan, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR, and David T. Kee, Dept. Biol., Northeast Louisiana Univ., Monroe, LA. "Do northbound migratory passerines have more pesticide residues than southbound forms?"
- Stephen M. Russell and Ruth O. Russell, Dept. Ecol. & Evol. Biol., Univ. Arizona, Tucson, AZ. "Autumnal 'wintering' of Anna's Hummingbird in Arizona."
- Frank F. Rivera-Milan, Dept. Nat. Res., Sci. Res. Area, Terrestrial Ecol. Sec., Pta. de Tierra, PR. "Distribution and relative abundance of columbids in Puerto Rico."
- Steven R. Sheffield and William L. McClure, Dept. Zool., Oklahoma State Univ., Stillwater, OK. "The effects of living on a hazardous chemical waste site on a family of Barn Owls (*Tyto alba*)."
- John L. Zimmerman, Dept. Biol., Kansas State Univ., Manhattan, KS. "Density-independent factors and prairie bird populations."
- Eileen M. Kirsch, Dept. Biol., Sci., Univ. Montana, Missoula, MT. "Productivity and the importance of chick survival in Least Terns on the lower Platte River, Nebraska."
- Kevin Winker, Bell Mus. Nat. Hist., Univ. Minnesota, Minneapolis, MN, John H. Rappole, Cons. & Res. Center, Natl. Zool. Park, Front Royal, VA, and Mario A. Ramos, World Wildl. Fund U.S., Washington, DC. "The nonbreeding territory: food resource or shelter from predation?"
- Donald R. Powers, Dept. Biol., George Fox Coll., Newberg, OR. "Hummingbirds: a review of metabolic rate data."
- David L. Swanson, Dept. Biol., Univ. South Dakota, Vermillion, SD. "Seasonal and growth hormone effects on substrate metabolism under cold stress in Dark-eyed Juncos."
- Alfred M. Dufty, Jr., Dept. Biol., Boise State Univ., Boise, ID. "Songs and calls in a free-living bird: seasonal patterns and their relationship to circulating testosterone levels."
- Michael D. Bay, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR. "Structure and geographic variation in the type B song of the Northern Parula."
- Michael T. Green, Dept. Biol., Univ. North Carolina, Chapel Hill, NC. "Song variability in Baird's Sparrows."
- Greg H. Farley, Dept. Biol., Univ. New Mexico, Albuquerque, NM. "The energetics of roosting behavior in *Campylorhynchus* wrens."
- Lisa M. Ellis, Dept. Biol., Univ. New Mexico, Albuquerque, NM. "Female subadult plumage: support for the molt-constraints hypothesis for delayed plumage maturation in North American passerines."
- Thomas C. Michot and Paul C. Chadwick, U.S. Fish & Wildl. Serv., Louisiana State Univ., Baton Rouge, LA. "Lipid mass of Louisiana Redheads increases through winter."
- Marc C. Woodin, U.S. Fish & Wildl. Serv., Corpus Christi, TX, and Patrick L. Parker, Univ. Texas, Marine Sci. Inst., Port Aransas, TX. "Variation of ratios of stable carbon isotopes in wintering and breeding Redheads."
- Douglas A. James, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR. "Identifying hummingbirds using indirect measurements."
- Richard C. Banks. Symposium: The Interface of Science and Conservation. "Introduction."
- James A. Kushlan, Dept. Biol., Univ. Mississippi, University, MS. "Science and conservation a real or imagined difference?"
- Stuart D. Strahl, Wildl. Cons. Intl., New York Zool. Soc., Bronx, NY. "Conservation and scientific organizations."
- Mercedes S. Foster, U.S. Fish & Wildl. Serv., Natl. Mus. Nat. Hist., Washington, DC. "Collaborating with host country individuals and institutions in science and conservation projects."
- Gary D. Schnell, Dept. Zool. & Oklahoma Biol. Surv., Univ. Oklahoma, Norman, OK. "The program of The Nature Conservancy."

- George V. Powell, Natl. Audubon Soc., Tavernier, FL. "The program of RARE."
- George V. Powell, Natl. Audubon Soc., Tavernier, FL. "The program of the National Audubon Society."
- Kimberly Young, Intl. Council Bird Preservation, World Wildl. Fund, Washington, DC. "The International Council for Bird Preservation."
- John W. Fitzpatrick, Archbold Biol. Sta., Lake Placid, FL. "The program of Conservation International."
- Stuart D. Strahl, Wildl., Cons. Intl., New York Zool. Soc., Bronx, NY. "The program of Wildlife Conservation International."
- Richard C. Banks, U.S. Fish & Wildl. Serv., Natl. Mus. Nat. Hist., Washington, DC. "An Ornithological Council."
- Joseph A. Grzybowski. Symposium: Endangered Passerines. "Introduction."
- Harold F. Mayfield, Toledo, OH. "World's first preserve for a songbird."
- Joseph A. Grzybowski, Dept. Zool., Univ. Texas, Austin, TX. "Black-capped Vireos, cowbirds and habitat deterioration."
- Jon C. Barlow and Mark K. Peck, Dept. Ornithol., Royal Ontario Mus., Toronto, ON, Canada. "Threatened vireo populations of Islas San Andras and Providencia, Columbia, West Indies."
- James W. Wiley, U.S. Fish & Wildl. Serv., Ventura, CA, and Alexander Cruz, Dept. EPO Biol., Univ. Colorado, Boulder, CO. "Endangered passerine hosts of the Shiny Cowbird in the Greater Antilles—a case study of the Yellow-shouldered Blackbird."
- G. E. Woolfenden, Dept. Biol., Univ. South Florida, Tampa, FL, and J. W. Fitzpatrick, Archbold Biol. Sta., Venus, FL. "Demography, preserve size, and survival of Florida Scrub Jays."
- Charles R. Smith, Lab. Ornithol. & Dept. Nat. Resources, Cornell Univ., Ithaca, NY. "Integrating distribution and abundance information to assess conservation needs for songbirds."
- Deborah M. Finch, U.S. For. Serv., Laramie, WY. "The Neotropical migratory bird conservation program: 'Partners in Flight.'"
- Joseph A. Grzybowski. Closing remarks.
- James A. Sedgwick and Fritz L. Knopf, U.S. Fish & Wildl. Serv., Natl. Ecol. Res. Center, Fort Collins, CO. "Cavity turnover and equilibrium cavity densities in a cottonwood bottomland."
- Bret W. Tobalske, Dept. Biol. Sci., Univ. Montana, Missoula, MT. "Evaluating habitat suitability through measures of reproductive success and feeding behavior in Red-naped Sapsuckers."
- Richard N. Conner and D. Craig Rudolph, Southern For. Experiment Sta., Nacogdoches, TX. "The rise and fall of the southern pine ecosystem and Red-cockaded Woodpecker."
- Barbara Raulston, Dept. Biol. Sci., Arkansas Coop. Fish & Wildl. Res. Unit, Univ. Arkansas, Fayetteville, AR. "Use of restricted cavities by Red-cockaded Woodpeckers."
- D. Craig Rudolph and Richard N. Conner, Southern For. Experiment Sta., Nacogdoches, TX. "History of, and recent advances in augmentation and reintroduction techniques for Red-cockaded Woodpeckers (*Picoides borealis*)."
- Jerome A. Jackson, Dept. Biol. Sci., Mississippi State Univ., Mississippi State, MS. "Weight variation in the Red-cockaded Woodpecker: implications for an endangered species."
- Jeffrey F. Kelly, Sandra M. Pletschet, and David M. Leslic, Jr., Oklahoma Coop. Fish & Wildl. Res. Unit, Oklahoma State Univ., Stillwater, OK. "Habitat selection by Red-cockaded Woodpeckers at active cavity trees in McCurtain County Wilderness Area, Oklahoma."
- Kimberly G. Smith, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR and R. Craig Hensley,

- Dodge Nature Center, St. Paul, MN. "Female-skewed sex ratios in late nests of Eastern Bluebirds in northwestern Arkansas."
- Timothy M. Bergin, Bowling Green State Univ., Bowling Green, OH. "A comparison of goodness-of-fit tests for analysis of nest orientation in Western Kingbirds (*Tyrannus verticalis*)."
- Paul E. Super, Dept. Wildl., Univ. California, Davis, CA. "Effects of blood parasites on the reproductive success of nonmigratory birds of the California coastal scrub."
- Colleen Cassady St. Clair, Dept. Zool., Univ. Oklahoma, Norman, OK. "Incubation behavior, brood patch development and clutch reduction in Fiordland Crested Penguins."
- E. Dale Kennedy, Dept. Biol., Kansas State Univ., Manhattan, KS. "The neglected biology of second broods."
- Helmut C. Mueller, Dept. Biol., Univ. North Carolina, Chapel Hill, NC. "Size differences between the prey of male and female *Accipiter*: a cause or result of the evolution of reversed sexual dimorphism (RSD) in size?"
- Daniel E. Varland, Dept. Animal Ecol., Iowa State Univ., Ames, IA. "Development of foraging behavior in the American Kestrel."
- Felipe Chavez-Ramirez, Dept. Wildl. & Fish., Texas A&M Univ., College Station, TX. "Within and between season variation in foraging behavior of wintering frugivores in the Edwards Plateau, Texas."
- Douglas W. White, Dept. Biol., Kansas State Univ., Manhattan, KS. "Demonstrating fruit choice by captive and free-ranging birds."
- Leonard A. Brennan, Dept. Wildl. & Fish., Mississippi State Univ., Mississippi State, MS and Michael L. Morrison, Dept. For. & Resource Mgmt., Univ. California, Berkeley, CA. "Time-series analyses of avian foraging behavior."
- Diana F. Tomback, Dept. Biol., Univ. Colorado, Denver, CO. "Post-fire whitebark pine seed dispersal by Clark's Nutcrackers in Yellowstone National Park."
- Peter E. Lowther, Field Mus. Nat. Hist., Chicago, IL. "Effects of periodic cicada emergence on House Sparrow breeding biology."
- Jack Mobley, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR. "Life history, high predation, and brood parasitism: bet-hedging in the Northern Cardinal."
- Barbara L. Winternitz, Dept. Biol., Colorado Coll., Colorado Springs, CO. "Breeding biology of a central Colorado Scrub Jay (*Aphelocoma coerulescens*) population."
- Sandra M. Pletschet and Jeffrey F. Kelly, Oklahoma Coop. Fish & Wildl. Res. Unit, Oklahoma State Univ., Stillwater, OK. "Habitat factors influencing the nesting success of the Palila."
- Jay J. Rotella, Wildl. Biol. Prog., Univ. Vermont, Burlington, VT and John T. Ratti, Dept. Fish & Wildl. Res., Univ. Idaho, Moscow, ID. "Relationships between Mallard brood survival and wetland habitat conditions in southwestern Manitoba."
- Timothy C. Lamey, Dept. Zool., Univ. Oklahoma, Norman, OK. "Hatch asynchrony, egg-size differences, and obligate brood reduction in Crested Penguins."
- Bryan C. Pijanowski, Dept. Zool., Michigan State Univ., East Lansing, MI. "A test of the brood reduction hypothesis: experiments with the Tree Swallow."
- David S. Pennock, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR. "Seasonal distribution of hatching asynchrony and brood reduction in House Wrens."
- Doris J. Watt, Dept. Biol., St. Mary's Coll., Notre Dame, IN. "Environmental influence on hatching asynchrony in the American Goldfinch."
- Regina Macedo, Dept. Zool., Univ. Oklahoma, Norman, OK. "Communal breeding behavior in the South American Guira Cuckoo."
- Neil Buckley, Dept. Zool. & Oklahoma Biol. Surv., Univ. Oklahoma, Norman, OK. "Communal roosting and the role of information transfer in the foraging behavior of Turkey Vultures and Black Vultures."

- Charles R. Paine, Coop. Wildl. Res. Lab. & Dept. Zool., Southern Illinois Univ., Carbondale, IL and Thomas C. Tacha, Caesar Kleberg Wildl. Res. Inst., Texas A&I Univ., Kingsville, TX. "The importance of biparental care in Canada Geese during brood rearing."
- Charles J. Amlaner, Jr., Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR. "Unihemispheric quiet sleep in birds: what are the adaptive consequences of sleeping with half of a brain?"
- Douglas W. Mock and Timothy C. Lamey, Dept. Zool., Univ. Oklahoma, Norman, OK. "How egret nestlings negotiate a ceasefire."

POSTERS

- Frank B. Gill, Alan F. Poole, and Peter Stettenheim, Acad. Nat. Sci., Philadelphia, PA. "The birds of North America: life histories for the 21st century."
- Herbert T. Hendrickson, Dept. Biol., Univ. North Carolina, Greensboro, NC. "Forty-year population trends of selected wintering nonpasserines in Piedmont, North Carolina."
- James L. Ingold, Dept. Biol. Sci., Louisiana State Univ., Shreveport, LA and Vincent LaPolla, Dept. Zool., Miami Univ., Oxford, OH. "Intraspecific variation in the distress calls of the Northern Cardinal and Gray Catbird."
- John C. Kricher, Dept. Biol., Wheaton Coll., Norton, MA, and William E. Davis, Jr., Dept. Sci. & Math, Coll. Basic Stud., Boston Univ., Boston, MA. "Species richness patterns and site fidelity among resident birds in disturbed and undisturbed moist forest in southern Belize."
- Camelia S. Lamey, Dept. Zool., Univ. Oklahoma, Norman, OK. "Breeding biology of the Brown Skua (*Catharacta skua lonnbergi*) on the Falkland Islands."
- Janet R. Mihuc and Charles H. Trost, Dept. Biol. Sci., Idaho State Univ., Pocatello, ID. "Probing shorebird predation on invertebrates at an inland site."
- Darrell W. Pogue, Dept. Zool. & Oklahoma Biol. Surv., Univ. Oklahoma, Norman, OK. "Nesting-habitat ordination of secondary cavity-nesting birds in Oklahoma."
- John T. Rotenberry, Nat. Reserve System, Univ. California, Riverside, CA. "Dynamics of patch selection by foraging shrubsteppe sparrows."
- Patricia L. Schwagmeyer, Douglas W. Mock, Timothy C. Lamey, and Camelia S. Lamey, Dept. Zool., Univ. Oklahoma, Norman, OK, and M. D. Beecher, Dept. Psychol., Univ. Washington, Seattle, WA. "Talking eggs: sibling contact effects on hatch timing in an asynchronously hatching gull."
- Ernest J. Willoughby and Marie Cox, Dept. Nat. Sci. & Math., St. Mary's Coll. Maryland, St. Mary's City, MD. "Vocal repertoire of the Chipping Sparrow."
- Steve Labuda and Mike Morrow, Atwater Prairie Chicken Natl. Wildl. Refuge, Eagle Lake, TX, and Douglas Jost, Lisl Shoda, Martin Whiting and K. C. Jensen, Dept. Wildl. & Fish. Sci., Texas A&M Univ., College Station, TX. "A hierarchical recovery plan for the Atwater's Prairie-Chicken."
- Angela A. Fangmeier, Dept. Zool., Univ. Oklahoma, Norman, OK. "Begging and feeding behavior in the Cattle Egret (*Bubulcus ibis*)."

ATTENDANCE

- ARIZONA: *Flagstaff*, Charles Van Riper III, Paul E. Super; *Tempe*, William M. Block, Glenn Walsberg; *Tucson*, Tom Huels, Ruth Russell, Steve Russell.
- ARKANSAS: *Fayetteville*, Charles Amlaner, Jr., Miguel Armella, David Barber, Michael D. Bay, Susan L. Bay, Robert Doster, Douglas James, Ragupathy Kannan, David S. Pennoek, Jack Mobley, Patti Moore, Ray Picrotti, Barbara Raulston, Mia Revels, Kimberly Smith, Dora Weyer; *Little Rock*, William H. Baltosser.
- CALIFORNIA: *Arcata*, Barry R. Noon; *Camarillo*, James W. Wiley; *Concord*, Robert Hole,

Jr.; *Fresno*, Jared Verner, Marlene Verner; *Gualala*, Thomas R. Howell; *Hayward*, Howard Cogswell; *Los Angeles*, Theresa Bucher, Elsie Collias, Nick Collias, Jim Jennings, Martin L. Morton; *Newbury Park*, Michael McCrary; *Riverside*, John T. Rotenberry; *San Leandro*, Elsie Richey, Gerald Richey; *Santa Barbara*, Steve Rothstein; *South Pasadena*, Daniel D. Berger.

COLORADO: *Brighton*, Michael Carter; *Colorado Springs*, Lisa Hardin, Kerri T. Tashiro, Barbara L. Winternitz; *Denver*, Diana F. Tomback; *Ft. Collins*, Clait E. Braun, James A. Sedgwick.

DISTRICT OF COLUMBIA: *Washington*, Richard C. Banks, Roger B. Clapp, Mercedes S. Foster, Kimberly Young.

FLORIDA: *Boca Raton*, Sheila A. Mahoney; *Gainesville*, John W. Hardy; *Lake Placid*, John W. Fitzpatrick, Fred E. Lohrer; *Maitland*, Herbert W. Kale II; *Tavernier*, George V. Powell; *Venice*, Glen Woolfenden, Janet Woolfenden.

IDAHO: *Boise*, Alfred Dufty; *Moscow*, Scott James; *Pocatello*, Janet R. Mihuc.

ILLINOIS: *Carbondale*, Charles Paine; *Chicago*, Caryn T. Lowther, Peter E. Lowther; *Monmouth*, Kenneth L. Petersen.

IOWA: *Ames*, Daniel E. Varland.

INDIANA: *Notre Dame*, Doris J. Watt.

KANSAS: *Baldwin City*, Calvin Cink; *Lawrence*, Marion A. Jenkinson, R. F. Johnston, Richard O. Prum, Pamela C. Rasmussen; *Manhattan*, E. Dale Kennedy, Douglas W. White, John L. Zimmerman.

LOUISIANA: *Baton Rouge*, John Bates, Thomas C. Michot; *New Orleans*, Jeffrey D. Parrish; *Shreveport*, James L. Ingold.

MARYLAND: *Lexington Park*, Ernest J. Willoughby; *Brandywine*, Robert C. Szaro.

MASSACHUSETTS: *Foxboro*, William Davis; *Norton*, John C. Kricher.

MICHIGAN: *Ann Arbor*, Louise Storer, Robert W. Storer; *East Lansing*, Bryan C. Pijanowski.

MINNESOTA: *Duluth*, Laura Erickson; *Minneapolis*, Kevin Winker; *St. Paul*, Susan B. Chaplin, Harrison B. Tordoff, Jean Tordoff.

MISSISSIPPI: *Mississippi State*, Bette J. S. Jackson, Jerome A. Jackson; *Starkville*, Leonard A. Brennan, Teresa Pruden; *University*, Jim Kushlan.

MONTANA: *Dillon*, Jack Kirkley; *Missoula*, Richard Hutto, Don Jenni, Eileen M. Kirsch, Bret Tobalske.

NORTH CAROLINA: *Chapel Hill*, Michael Green, Helmut C. Mueller, Nancy S. Mueller; *Greensboro*, Herb Hendrickson.

NORTH DAKOTA: *Dickinson*, Terry Rich.

NEVADA: *Reno*, Lewis W. Oring.

NEW MEXICO: *Albuquerque*, Robert W. Dickerman, Lisa Ellis, Greg Farley, Patrick W. Zwartjes; *Las Cruces*, Ralph J. Raitt.

NEW YORK: *Bronx*, Stuart D. Strahl; *Ithaca*, Charles R. Smith; *Utica*, Judith W. McIntyre.

OHIO: *Bowling Green*, Timothy M. Bergin, Elden W. Martin, Mary A. Martin; *Gambier*, Robert Burns; *Lakewood*, Nancy R. Klamm, William A. Klamm; *Toledo*, Harold Mayfield, Virginia Mayfield.

OKLAHOMA: *Ada*, William A. Carter, Mickie D. Duggan; *Lawton*, Jack D. Tyler; *Norman*, Patricia Bergey, Neil J. Buckley, Victoria J. Byre, Brian R. Chapman, Angela A. Fangmeier, L. Scott Forbes, Rick Fry, Eileen B. Grzybowski, Joseph A. Grzybowski, Daniel J. Hough, Mark D. Howery, William R. Johnson, Camelia Lamey, Timothy Lamey, Douglas Mock, Darrell W. Pogue, Gary D. Schnell, Patricia Schwagmeyer, Christine E. Skelly, Colleen C. St. Clair, Kimberly Wiar; *Oklahoma City*, Holly Edwards, Jim Fish, Steve Wylie; *Stillwater*, Jeff Kelly, Sandra Pletschet, Steve Sheffield; *Tulsa*, Jeff Cox, Regina Macedo, John S. Tomer.

OREGON: *Newberg*, Donald R. Powers.

PENNSYLVANIA: *Berwyn*, Phillips B. Street; *Grove City*, Willis Ratzlaff, Genevieve Tvrdik; *Philadelphia*, Frank B. Gill, Alan F. Poole; *Pittsburgh*, Kenneth C. Parkes.

PUERTO RICO: *Pta de Tierra*, Frank F. Rivera-Milan.

SOUTH CAROLINA: *Rock Hill*, Keith Bildstein.

SOUTH DAKOTA: *Vermillion*, David L. Swanson.

TENNESSEE: *Collegedale*, E. O. Grundset; *Memphis*, Lulu Coffey, Ben B. Coffey, Jr.

TEXAS: *Austin*, Shannon Davies; *College Station*, Felipe Chavez-Ramirez, Dale Gawlik, Kent C. Jensen, Thomas Lewis, Donna H. Renfrow, Valera Grundset, Marc Woodin; *Fort Worth*, Olin Sewall Pettingill, Jr., Jack Vondra, Mary A. Vondra; *Galveston*, Mary H. Clench; *Harker Heights*, Stanley D. Casto; *LaPorte*, Richard Fuhrman; *Nacogdoches*, Dick Conner, Craig Rudolph.

UTAH: *Logan*, Sally G. Jackson; *Ogden*, Carl D. Marti; *Provo*, Brian Maurer.

VERMONT: *Burlington*, Jay J. Rotella.

VIRGINIA: *Richmond*, C. R. Blem, Leann Blem.

WASHINGTON: *Olympia*, Martin G. Raphael; *Pullman*, Mary E. Murphy; *Seattle*, Vanessa Artman, David A. Manuwal.

WEST VIRGINIA: *Morgantown*, George A. Hall.

WYOMING: *Laramie*, Deborah M. Finch.

ONTARIO: *Toronto*, Jon C. Barlow, James A. Dick.